

Title (en)

Polyalkylmethacrylate plastisols with improved flow properties

Title (de)

Polyalkylmethacrylat-Plastisole mit verbesserten Flieseigenschaften

Title (fr)

Plastisols de méthacrylates d'alkyl à propriétés d'écoulement améliorées

Publication

EP 1041093 A3 20001206 (DE)

Application

EP 00106179 A 20000321

Priority

DE 19914605 A 19990330

Abstract (en)

[origin: EP1041093A2] An acrylic or styrene copolymer for use in the production of plastisols includes a hydrophilic hydroxy- or amino-substituted 1-4C alkyl (meth)acrylate as a monomer component. An acrylic or styrene copolymer for use in the production of plastisols is based on the following monomers (wt.%): (A) an acrylate with $\geq 3C$ in the alkyl group and/or an alkyl methacrylate with $\geq 2C$ in the alkyl group and/or styrene (0-90); (B) methyl(meth)acrylate or ethylacrylate (10-90); (C) hydrophilic, hydroxy- or amino-substituted 1-4C alkyl (meth)acrylate of formu (I) (1-20); (D) crosslinker(s) (0.01-1); and (E) other monomers (0-20). R1 = H or Me; R2 = $-(CH_2)_n$ - with this alkyl group optionally branched, being e.g. iso-propyl or iso-butyl; n = 1-4; R3 = OH, NH2 or $-N(R_4)_2$; and R4 = H, Me or Et.

IPC 1-7

C08F 220/12

IPC 8 full level

C08F 220/18 (2006.01); **C08F 212/08** (2006.01); **C08F 220/12** (2006.01); **C08F 220/14** (2006.01); **C08F 220/28** (2006.01); **C08F 220/34** (2006.01)

CPC (source: EP KR US)

C08F 212/08 (2013.01 - KR); **C08F 212/12** (2013.01 - KR); **C08F 220/06** (2013.01 - KR); **C08F 220/12** (2013.01 - EP US); **C08F 220/14** (2013.01 - KR); **C08F 220/18** (2013.01 - KR); **C08F 220/281** (2020.02 - KR); **C08F 220/34** (2013.01 - KR); **C08F 222/1006** (2013.01 - KR)

Citation (search report)

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- [A] GB 698193 A 19531007 - ROEHM & HAAS GMBH
- [A] US 3361696 A 19680102 - BOLGIANO NICHOLAS C, et al

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